

Title (en)
OPTICAL SCANNING DEVICE

Title (de)
OPTISCHE ABTASTVORRICHTUNG

Title (fr)
DISPOSITIF DE BALAYAGE OPTIQUE

Publication
EP 3205929 B1 20201209 (EN)

Application
EP 17152156 A 20170119

Priority
JP 2016011933 A 20160125

Abstract (en)
[origin: EP3205929A2] There is provided a headlight unit 1 configured to make phosphors emit light efficiently. The headlight unit 1 includes a laser-light emission device 14, a light deflector 15, a phosphor panel 20, and a projector lenses 19 in order along a light traveling path. The rotational position of a light emitting unit 45 of the laser-light emission device 14 about an optical axis is so set that the minor axis direction of an optical spot Sp generated on a light incident surface 41 of the phosphor panel 20 will be a direction along a scanning direction Hc of the optical spot Sp on the light incident surface 41.

IPC 8 full level
F21S 41/176 (2018.01)

CPC (source: EP US)
F21S 41/16 (2017.12 - EP US); **F21S 41/176** (2017.12 - EP US); **F21S 41/675** (2017.12 - EP US)

Citation (examination)
WO 2014121315 A1 20140814 - ZIZALA LICHTSYSTEME GMBH [AT]

Cited by
EP3904944A1; CN113568164A; EP3324105A1; US11358517B2; US10378713B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3205929 A2 20170816; **EP 3205929 A3 20171115**; **EP 3205929 B1 20201209**; EP 3287692 A1 20180228; JP 2017134133 A 20170803; JP 6684602 B2 20200422

DOCDB simple family (application)
EP 17152156 A 20170119; EP 17191946 A 20170119; JP 2016011933 A 20160125